

19990104.qrp v01\_n326.qrl.990104

Date: Mon, 4 Jan 1999 19:03:27 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1326

QRP-L Digest 1326

Topics covered in this issue include:

- 1) [28681] Winter Fireside SSB Sprint  
by camqrp@cyberg8t.com (Cam Hartford)
- 2) [28682] Re: A new record??  
by Dave Sjolin <sjolin@swbell.net>
- 3) [28683] 00OPS! 5-VOLT, 8-AMP SUPPLY INFO ERROR  
by mjfitz@uswest.net
- 4) [28684] Re: A new record??  
by Steve <smann@advi.net>
- 5) [28685] Re: A new record??  
by Paula Bailey <pmbail01@ox.slug.louisville.edu>
- 6) [28686] Gentle explanation that 7.040 is QRP freq?  
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 7) [28687] RE: CANADIAN, not British key (uh-whoops!)  
by "Ed Tanton" <n4xy@mindspring.com>
- 8) [28688] Re: Gentle explanation that 7.040 is QRP freq?  
by Chuck Carpenter <w5usj@unicomp.net>
- 9) [28689] Iowa QRP Club Call  
by "John Burnley" <burnley-ia@worldnet.att.net>
- 10) [28690] DMM results  
by "John Burnley" <burnley-ia@worldnet.att.net>
- 11) [28691] Alinco DX-70TH info?  
by "John Burnley" <burnley-ia@worldnet.att.net>
- 12) [28692] WTB: Wilderness NorCal 40A  
by "Alan Fryer" <n3bj@hotmail.com>
- 13) [28693] AL7FS on 28.060 at around 1900z  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 14) [28694] RE: A new record??  
by mike1@urbancom.net (Dinelli, Michael)
- 15) [28695] RE: Multiple 7805's for Higher Current ???  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 16) [28696] RE: A new record??  
by "Charles L. Stackhouse" <cstack@safelink.net>
- 17) [28697] ICQ for QRP  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 18) [28698] RTTY RU K0FRP  
by alan dawkins <alk0frp@earthlink.net>
- 19) [28699] Re: A new record??

by Ron Stark <ku7y@dri.edu>  
20) [28700] Re: A new record??  
by "Mitch Dickson" <mitch@volstate.net>  
21) [28701] Re: A new record??  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>  
22) [28702] Re: A new record??  
by k5zty@juno.com  
23) [28703] Re: Record  
by "WILLIAM T. ROSE" <supertec@mail.myriad.net>  
24) [28704] Re: ICQ for QRP  
by "Mitch Dickson" <mitch@volstate.net>  
25) [28705] Re: New record??  
by Pete Burbank <plburbank@kih.net>  
26) [28706] RE: A new record ??  
by "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>  
27) [28707] Re: Re: New record??  
by Paula Bailey <pmbail01@ox.slug.louisville.edu>  
28) [28708] Re: Straight Key Night/Millennium Challenge!  
by "George T. Baker" <w5yr@swbell.net>  
29) [28709] Thanks  
by N7YA@aol.com  
30) [28710] Re: Re: New record??  
by we6w@juno.com (Ed Loranger)  
31) [28711] Tex-BQU  
by ntan <ntan@crosslink.net>  
32) [28712] NEED UTAH QSO/QSL?  
by utahfolk@konnections.com  
33) [28713] re: a new record?  
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>  
34) [28714] Re: Alinco DX-70TH info?  
by BC <bcrow@powerlink.net>  
35) [28715] miles/W record  
by andymeng@juno.com (Andy C Meng)  
36) [28716] Elmer 101 Power Supply Question  
by "Jon Zweig" <jzweig@sirius.com>  
37) [28717] KLNNet 1/3/99  
by Randy Hargenrader <randyh@harksystems.com>  
38) [28718] FS: Tec-Tec Argonaut 509  
by rhiller@sysdev.com (Rick Hiller)  
39) [28719] Re: Re: New record??  
by Ron Stark <ku7y@dri.edu>  
40) [28720] can someone help me verify  
by Scott Howell <whowell@hq.nasa.gov>  
41) [28721] FOX: My turn in the bucket  
by Brian Murrey <brian@iquest.net>  
42) [28722] Re: Elmer 101 Power Supply Question  
by Michael Maiorana <mikemo@ibm.net>  
43) [28723] IC-706 INFO PLEASE

by Brad Bradfield <b\_bradfield@yahoo.com>  
44) [28724] RE: New record?  
by "Steven Weber" <kd1jv@moose.ncia.net>  
45) [28725] good ten meter day  
by wj5o@juno.com (William H. Hays)  
46) [28726] Re: A new record??  
by Tom Palmer <n1tp@worldnet.att.net>  
47) [28727] N7IR QRP Stew Perry 160M Score  
by Gary Hembree <gary.hembree@asu.edu>  
48) [28728] Re: Capacitor Current  
by w4bws@juno.com (Donald E Sanders)  
49) [28729] RE: January 2  
by Brad Mugleston <bmug@gwl.com>  
50) [28730] Any Ham License Classes/Houston?  
by wgabriel@dukeengineering.com  
51) [28731] Re: Capacitor Current  
by Bill Jones <kd7s@psnw.com>  
52) [28732] Receiving 50 ohm Thermal Noise?  
by Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
53) [28733] Re: CANADIAN, not British key (uh-whoops!)  
by Peter Larsen <larsenp@cadvision.com>  
54) [28734] E-Z MATCHING SST X-TALS FER 'BREWIN'  
by mjfitz@uswest.net  
55) [28735] FB-40 to be homebrewed.  
by Ed Loranger <we6w@qsl.net>  
56) [28736] Re: NEED R2 BUILDING INFO, TIPS, ETC.  
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>  
57) [28737] Re: Aluminum primer?  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
58) [28738] Re: Dynamic Range ramblings  
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>  
59) [28739] Re: Aluminum primer?  
by John Evans - N0HJ <jae@codenet.net>  
60) [28740] Fox N/T+  
by wn6hyx@qsl.net ()  
61) [28741] Re: Info on US subs for BC549A and TDA2003, BFR91A info needed.  
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>  
62) [28742] Slingshots for Launching  
by wb8ygg@juno.com  
63) [28743] Re: Receiving 50 ohm Thermal Noise?  
by Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
64) [28744] Re: Aluminum primer?  
by Richard Arland <k7sz@epix.net>  
65) [28745] Building success and Spartan Sprint  
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
66) [28746] Re: Aluminum primer?  
by "GeorgeW" <discount@crosslink.net>  
67) [28747] NW 80/20 xcvr

by ntan <ntan@crosslink.net>  
68) [28748] Re: Elmer 101 Power Supply Question  
by "Mitch Dickson" <mitch@volstate.net>  
69) [28749] Re: Aluminum primer?  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
70) [28750] Re: [Re: Aluminum primer?]  
by Roy Lincoln <wa4dou@usa.net>  
71) [28751] Re: Aluminum primer?  
by Paul Maciel <pmaciel@inow.com>  
72) [28752] Re: Aluminum primer?  
by John Levreault <jlevro@mediaone.net>  
73) [28753] Re: Aluminum primer?  
by w4bws@juno.com (Donald E Sanders)  
74) [28754] Re: Aluminum primer?  
by "Michael A. Gipe" <mgipe@reliablemeters.com>

-----  
Date: Sun, 3 Jan 1999 16:04:35 -0800 (PST)  
From: camqrp@cyberg8t.com (Cam Hartford)  
To: qrp-l@lehigh.edu  
Subject: [28681] Winter Fireside SSB Sprint  
Message-ID: <199901040004.QAA25648@trex.cyberg8t.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang -

>From the looks of the weather map, the Winter Fireside SSB Sprint will be just that - a fireside event. At least for much of the country.

Please note that the exchange is RS, S/P/C, Name, as opposed to RS, S/P/C, ARCI Number as reported in QST.

Hope to hear lots of big QRP SSB Signals next Sunday.

72/73,

Cam N6GA

-----  
WINTER FIRESIDE SSB SPRINT

Date/Time: January 10, 1999; 2000 - 2400Z  
Exchange: RS, State/Province/Country, Name  
QSO Points: All QSOs are worth one QSO point  
Multiplier: SPC (State/Province/Country) total for all bands.  
S/P/Cs may be worked on more than one band for credit.

Bonus Points: Points awarded for using Homebrew equipment,  
apply for each band on which Homebrew equipment was used:

+2,000 HB Transmitter used

+3,000 HB Receiver used

+5,000 HB Transceiver used

Homebrew Definition: If you built it, it is considered Homebrew.

Power Multiplier: (Power Output)

< 250 mW ( < 500 mW PEP SSB) = X 15;

250 mW - 1 Wat (500 mW - 2 W PEP SSB) = X10;

1 W - 5 W (2 - 10 Watts PEP SSB) = X 7;

Over 5 W (Over 10 Watts PEP SSB) = X 1.

Suggested Frequencies:

160 Meters	1860 KHz	15 Meters	21385 KHz
80 Meters	3865 KHz	10 Meters	28385 KHz
40 Meters	7285 KHz	6 Meters	50128 KHz
20 Meter	14285 KHz		

Score: Points (total for all bands) X SPCs (total for all bands)

X Power Multiplier + Bonus Points.

Entry may be an All-Band, Single Band, Hi-Band (20M, 15M, 10M and 6M)  
or Lo-Band (160M, 80M and 40M). Certificates to the top three scores,  
to the top score in each Single-band, Lo-band and Hi-band class, and to  
the top score in each SPC. The contest manager reserves the right to  
recognize special significant entries with a certificate award.

Entry includes a copy of the logs and a separate summary sheet.

Include duplicate check sheets with entries of 100 QSOs or more. Indicate  
total time-on-the-air, and include a legible name, call, QRP ARCI Number  
(if any) and address.

All entries must be received within 30 days of the contest date.  
Late entries will be counted as check logs. Members and non-members  
indicate their output power for each band. The highest power used will  
determine the power multiplier. Output power is considered as 1/2 of  
input power. Include a description of homebrew equipment, commercial  
equipment, and antennas used with each entry. Homebrew bonus points  
may not be claimed if a description is not included with the entry.

Send an SASE for a summary and sample log sheets. Include an  
SASE with your entry for a copy of the results. Results will be published  
in the next available issue of the QRP ARCI Quarterly.

Entries are welcome via E-Mail to [CamQRP@cyberg8t.com](mailto:CamQRP@cyberg8t.com), or by mail to:

Cam Hartford, N6GA  
1959 Bridgeport Ave.  
Claremont, CA 91711

-----  
Date: Sun, 03 Jan 1999 18:02:10 -0600  
From: Dave Sjolín <sjolin@swbell.net>  
To: cstack@safelink.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [28682] Re: A new record??  
Message-ID: <36900502.DDCB5057@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Charles L. Stackhouse wrote:

>  
> >From Investor's Business Daily newspaper, p. A2, Dec. 29, 1998  
>  
> "New antenna design has broken distance record for radio signal  
>  
>       The novel design by Fractal Antenna Systems transmitted successfully  
over  
> 5,000 miles from Massachusetts to Europe on a single watt of power, a  
> record. Contacts with stations in Palau, Papua and other Pacific locations  
> were achieved with two watts. The design is based on fractal mathematics.  
> The antenna is a quarter the size of a conventional one and is triangular  
> shaped."  
>  
> Anybody know anything about this antenna, i.e. what frequency, what time of  
> day, or what mode? Is this an actual achievement or has some advertising  
> guy just reinvented HF QRP?

Check out their website. The owner is a ham that hangs out on the  
antenna reflector and I think I have seen him on qrp-1.

<http://www.fractenna.com/>

When you get to the webpage, read the latest news article.

73 de Dave, N0IT

-----  
Date: Sun, 03 Jan 1999 18:09:08 -0600  
From: mjfitz@uswest.net  
To: qrp-1@Lehigh.EDU  
Subject: [28683] 000PS! 5-VOLT, 8-AMP SUPPLY INFO ERROR  
Message-ID: <369006A4.AD8CD3CF@pop.omah.uswest.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRPers:

Sorry, my web address for Surplus Sales of Neebraska was  
WRONG. I took  
if from the catalog without checking it. Good thing I don't  
work on nukes, huh...?  
The correct address is "surplussales.com". Heap big sorry  
here. Mike KI0AF

-----  
Date: Sun, 03 Jan 1999 19:18:18 -0500  
From: Steve <smann@advi.net>  
To: cstack@safelink.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [28684] Re: A new record??  
Message-ID: <369008CA.2CE1@advi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Check [www.fractenna.com](http://www.fractenna.com) It was invented by a ham who has a Ph.D. in  
physics.  
I have a couple of 1000 miles/watt certificates myself and I don't think  
this is  
a new record on hf.

Steve, N4EY

Charles L. Stackhouse wrote:

>  
> >From Investor's Business Daily newspaper, p. A2, Dec. 29, 1998  
>  
> "New antenna design has broken distance record for radio signal  
>  
> The novel design by Fractal Antenna Systems transmitted successfully  
over  
> 5,000 miles from Massachusetts to Europe on a single watt of power, a

> record. Contacts with stations in Palau, Papua and other Pacific locations  
> were achieved with two watts. The design is based on fractal mathematics.  
> The antenna is a quarter the size of a conventional one and is triangular  
> shaped."

>

> Anybody know anything about this antenna, i.e. what frequency, what time of  
> day, or what mode? Is this an actual achievement or has some advertising  
> guy just reinvented HF QRP?

>

>

Idaho

> WA2IPZ QRP-L #362

>

> cstack@safelink.net

Charles L. Stackhouse Burley,

-----  
Date: Sun, 3 Jan 1999 19:33:32 -0500 (EST)

From: Paula Bailey <pmbail01@ox.slug.louisville.edu>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [28685] Re: A new record??

Message-ID: <Pine.LNX.3.96.990103191751.29609A-100000@dragon.slug.louisville.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 3 Jan 1999, Dave Sjolín wrote:

(on fractal antennae)

> Check out their website. The owner is a ham that hangs out on the  
> antenna reflector and I think I have seen him on qrp-l.

>

> <http://www.fractenna.com/>

>

> When you get to the webpage, read the latest news article.

\*nods\* Checked it out, and it \*does\* seem somewhat interesting. (Not just on the ham-radio end, either. I actually first got interested in computer science by fractals...it's rather interesting some of the "non computer" applications of fractals that have been done, including "fractal kites" (no, I'm not making this up)...)

The achievement IS actually pretty signifigant--not so much because the signal went halfway around the world on two watts on 10 meters (which is pretty good DX, but there are folks on here who've done that when the sunspots are right :) but that the antenna used is approximately 1.5m x 1.5m (which, theoretically, IS possible to use for limited-space applications).



It is also of note that the creator is apparently allowing use of the design without royalties for hams:

Although Fractal Antenna Systems, Inc., does not sell ham antennas, it has made details available on its patent pending design for experimentation by hams. Its commercial, proprietary fractal antenna designs are predominantly at cell phone frequencies and higher, where they comprise tiny etched circuit boards rather than the bent wires of the ham antenna.

In other words, this is homebrewable. :) If the inventor IS on the list, I hope he doesn't terribly mind mass inquiries from folks wanting details on how to homebrew their own little fractal antennas :)

> 73 de Dave, N0IT

-pb

-----  
Date: Sun, 3 Jan 1999 17:44:02 -0700  
From: Niels Jensen Kristjansson <nkristja@cadvision.com>  
To: qrp-1@Lehigh.EDU  
Subject: [28686] Gentle explanation that 7.040 is QRP freq?  
Message-ID: <1.5.4.16.19990103183902.1aa71692@cadvision.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

Hi Mike es gang,

By all means don=B4t tell him, let the QRO crowd discover this one on their=  
=20  
own. Never know, they might start hanging out there and reduce their power  
as well :)

72 es HAPPY NEW YEAR to all

de Niels  
VE6NJK/TF3NJ

>Two nights ago I heard a QRP station calling CQ at 7.0405 MHz. Just as I  
>was about to answer, a much louder station also started calling CQ at the

>same frequency. I responded to the louder station. He was QRO and a nice  
>person, excellent fist. As often happens, he was amazed that I was running  
>only 4 watts. After our pleasant QSO, it occurred to me that I should have  
>said to him that 7.040 is a normally a QRP frequency. Any suggestions for  
>how to do this in a nice way? Should I have suggested to him to QSY?  
>Mike Mullins KD5CMN in Lake Jackson TX  
>  
>  
>

-----  
Date: Sun, 3 Jan 1999 19:50:26 -0500  
From: "Ed Tanton" <n4xy@mindspring.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Cc: <w7ls@blarg.net>  
Subject: [28687] RE: CANADIAN, not British key (uh-whoops!)  
Message-ID: <000801be377c\$3801ff80\$01010101@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Jim... Canadians everywhere are looking to pound your brass for even  
thinking of a product of theirs as Bristish! Of course, our British friends  
are a little keyed up themselves. Hopefully you are fully flame-proof.

I couldn't help myself... I hope this doesn't result in any poison-pun  
letters.

72 / 73 Ed N4XY email: <n4xy@mindspring.com>

-----  
Date: Sun, 03 Jan 1999 18:53:38 -0600  
From: Chuck Carpenter <w5usj@unicomp.net>  
To: mmullins@mastnet.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [28688] Re: Gentle explanation that 7.040 is QRP freq?  
Message-ID: <3.0.1.32.19990103185338.006a2a14@mail.unicomp.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Although it's commonly considered to be a calling frequency for QRP CW, ARRL also lists it as a calling frequency for RTTY DX. (The "Considerate Operator's Frequency Guide")

If it seemed appropriate at the time, I'd just include a sidebar kind of comment that people interested in QRP often call and listen around that freq. Nothing more specific.

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

-----  
Date: Sun, 3 Jan 1999 18:37:12 -0600  
From: "John Burnley" <burnley-ia@worldnet.att.net>  
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>, <qrp-l@lehigh.edu>  
Subject: [28689] Iowa QRP Club Call  
Message-ID: <19990104005443.KSMD25106@burnley-ppp.phibred.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'm pleased to announce the Iowa QRP Club now has a new club call. KQ0RP is now our official club call! Please look for KQ0RP in upcoming events!

My thanks to Mark Milburn KQ0I who worked very hard to secure the call for us! Mark even arranged to get an ARCI number for the club station! Be listening for us!

72/73, John NU0V  
IAQRP #1

-----  
Date: Sun, 3 Jan 1999 19:04:12 -0600  
From: "John Burnley" <burnley-ia@worldnet.att.net>  
To: <qrp-l@lehigh.edu>  
Subject: [28690] DMM results  
Message-ID: <19990104010655.DFMP3526@burnley-ppp.phibred.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

For those interested, the XYL went with the Metex ME-11 DMM for my XMAS present! Thanks to all who

sent her info about the various DMM's and manufacturers!

72/73, John NU0V

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Date: Sun, 3 Jan 1999 19:05:32 -0600  
From: "John Burnley" <burnley-ia@worldnet.att.net>  
To: <qrp-l@lehigh.edu>  
Subject: [28691] Alinco DX-70TH info?  
Message-ID: <19990104010707.DFOX3526@burnley-ppp.phibred.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Anyone on the list have an Alinco DX-70TH? I would appreciate your thoughts/comments on how well you like the rig.

72/73, John NU0V

-----  
Date: Sun, 03 Jan 1999 17:08:20 PST  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [28692] WTB: Wilderness NorCal 40A  
Message-ID: <19990104010821.26310.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain

Wanted: Latest version of the NorCal 40A for local guy that can't build. If you have an assembled unit, with or without KC-1, please let me know.

Thanks,

Alan, N3BJ

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Sun, 3 Jan 1999 20:45:58 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:al7fs@pobox.alaska.net" <al7fs@pobox.alaska.net>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>,  
//QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Subject: [28693] AL7FS on 28.060 at around 1900z  
Message-ID: <199901032048\_MC2-6540-EE7E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Jim:

Got on too late for you at 28.060. But sure was nice to bag you on 15M!  
Setup here = 0HR500 at 5 watts. Antenna = HB multi-band wire vertical.  
Guess it gets out pretty well for only \$11.00 worth of materials :-).

Anyway, thanks as always for the QSO. BTW, you were slowly building in  
signal strength during the QSO.

GL es 72/73,  
--Doc Lindsey/K0EVZ  
DSBF  
P.O. Box 7187  
Bismarck, ND 58507  
E-Mail 70511.3041@compuserve.com

-----  
Date: Sun, 3 Jan 1999 20:43:55 -0600  
From: mike1@urbancom.net (Dinelli, Michael)  
To: <cstack@safelink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [28694] RE: A new record??  
Message-ID: <002c01be378c\$123588c0\$e4e551d1@mike1.urbancom.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

<http://www.fractenna.com/>

73 de Mike, N9BOR  
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you will ever need.  
My designated driver is a 12BY7A.

Solid State leaves me cold.

> Anybody know anything about this antenna, i.e. what frequency,  
> what time of  
> day, or what mode? Is this an actual achievement or has some advertising  
> guy just reinvented HF QRP?  
>  
> Charles L.  
> Stackhouse Burley, Idaho  
> WA2IPZ QRP-L #362  
>  
> cstack@safelink.net  
>  
>  
>  
>

-----  
Date: Sun, 3 Jan 1999 20:47:37 -0600  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <jdolson@iserv.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [28695] RE: Multiple 7805's for Higher Current ???  
Message-ID: <000301be378c\$98630d50\$3316ebcf@homedad.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It would work in theory if all your 7805s were exactly the same, which they are not. The easiest approach is to use a single 7805 as a reference to a high current pass transistor. Check the ARRL handbooks for details on how to design such an animal.

Kevin, WB5RUE

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU  
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Jim Dolson  
> Sent: Sunday, January 03, 1999 10:01 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Multiple 7805's for Higher Current ???  
>  
>  
> I need a cheap, simple, accurate 5v power supply that can deliver 6  
> amps. I also have a bunch of 7805's laying around, each of which can

> handle, I believe, 1 amp.  
>  
> Can I simply put six of these in parallel, all being fed from the same  
> 12v power supply and tying the 5 volt output's together (after a diode  
> on each output) ?  
>  
> Seem's too simple.  
>  
> I would appreciate a reply directly to jdolson@iserv.net  
> since my e-mail  
> provider tends to truncate my qrp digest e-mails due to its size.  
>  
> Thanks,  
>  
> Jim  
> wb8zbd  
> jdolson@iserv.net  
>

-----  
Date: Sun, 3 Jan 1999 19:54:24 -0700  
From: "Charles L. Stackhouse" <cstack@safelink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [28696] RE: A new record??  
Message-ID: <19990104025914813.AAC190@safelink.safelink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings,

I posted the following newspaper article to QRP-L and got a number of interesting replies.

>From Investor's Business Daily newspaper, p. A2, Dec. 29, 1998

>"New antenna design has broken distance record for radio signal"  
>etc.

The Website below has the actual news release:

<http://www.fractenna.com/>

The "record" was done with 1 watt on the 10 meter ham band. I am curious who holds the old "record."

Charles L. Stackhouse    Burley, Idaho

WA2IPZ    QRP-L #362

cstack@safelink.net

-----  
Date: Sun, 03 Jan 1999 17:58:43 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [28697] ICQ for QRP  
Message-ID: <36902E63.83F0883A@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Have there been any new ICQ additions in the QRP community since the list was posted by Art, W1FJI last summer. I have 33 QRP folk on ICQ and we chat from time to time. It was ICQ that got me to move down to 15 meters for a few minutes and a couple of contacts today. Right, Fred? (VE3FAL).

No need to post to the list. Just add me to your ICQ list...my number is below.

CUL, Jim

--

73, Jim Larsen, AL7FS -- Anchorage, Alaska  
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009  
(BP51cc)@61.1009636 North 149.8237915 West(approximately)  
mailto:al7fs@qsl.net    ICQ 11022915    <http://www.mirabilis.com/>

-----  
Date: Sun, 03 Jan 1999 19:13:02 -0700  
From: alan dawkins <alk0frp@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [28698] RTTY RU K0FRP  
Message-ID: <369023AE.ADE321BA@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit



ARRL RTTY Round-up QRP (NO QRP CLASS)

Made some changes from last year for the RTTY contest.

Used TRUE FSK in my TS 850, not using AFSK.

Using my DSP Timewave 59+ re-modulator for audio

Less than \$5.00 worth of parts and \$30 shareware.

Now I need to use software so I can computer LOG also., next year .

QRP RTTY, I signed /QRP many were surprised, they asked, I said 5 watts.

I was disappointed with 40m, very tough going at night. But 20 m stayed open late

80m 6

40m 56

20m 181

15m 142

10m 54

439 QSO s 46 states 7 prov 9 countries

about 27,000 pts only 57,000 under last years top ten 100w class

DX VP2,FK8,Vk4,XE1,JA,FM5,VP8,GW4

Missed ND,NE,WY and UT 3 border Colorado???

16 hours total Had two best hours at 46 and 47 q s per hour.

You ve got to try this RTTY stuff it s fun. Now the Sierra RTTY mod is out.

Still trying to get a QRP Class for RTTY Round-up, We need more QRP entries into Low power class.

Al K0FRP

-----  
Date: Sun, 3 Jan 1999 19:31:21 -0800 (PST)

From: Ron Stark <ku7y@dri.edu>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [28699] Re: A new record??

Message-ID: <Pine.SOL.3.96.990103192506.26616B-1000000@vortex.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Working 5000 miles per watt on 10m isn't close to any record.

The best I've done on 40m, which has a much higher noise level, is a 559 from a JA in Tokyo while running 35 mW.

While his antenna might be interesting, his QSO isn't record breaking by a long way.

The record is well over 1 million miles per watt. I just can't remember just how much over!

I know this because my QSO on 40m, which was from just calling CQ (no schedule) was only somewhere around 650,000 miles/watt and was a LONG way away from the record. :-)

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Sun, 3 Jan 1999 22:41:41 -0500  
From: "Mitch Dickson" <mitch@volstate.net>  
To: <cstack@safelink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [28700] Re: A new record??  
Message-ID: <006c01be3794\$25834540\$17338cd1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gonna have to hear more before I commit to being impressed. I talk 2 or 3 thousand miles right regularly on 1 watt myself. Worked W6DDB in California yesterday on one watt CW at 28.130 @ 1821 Zulu and I live in southeast Tennessee! That's a good 2500 miles. Don't seem like no step for a stepper :) And that was over land, not saltwater, on my little 80 meter full wave loop (he-he), an omni-directional! And I got a 499! Methinketh there is smoke blowing up a rearward direction about this little "miracle" :)

Now wasn't it W5YI that has a confirmed QSO from Hawaii to California on 2 meters? Now that is something to brag about! Take this little puppy down to the beach and hook 'er up to a 202 and bring us back a QSL from Japan and I'll buy 2 or 3 of them! CU Mitch AE4YW  
>

-----  
Date: Sun, 03 Jan 1999 21:50:09 -0600  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: QRP-L Distribute <qrp-l@Lehigh.EDU>  
Subject: [28701] Re: A new record??  
Message-ID: <36903A71.5F2B5946@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

As many of you know on this list this is certainly no "power versus distance" record. It may be a record for his fractal antenna. The comparison in the news report of his HF achievement with a fractal antenna to the normal working distance of a 1 watt cell phone is totally misleading.

I have been unsuccessful in finding out the theory behind some of the claims on the said web site. For instance, the inventor claims that fractal antennas do not need a balun and do not lose energy due to feed line radiation. I wonder if there is a theory is behind this or if this is just a measured result? I have constructed plain rotatable dipoles fed with coax in which I could detect no feed line radiation (they had nice text book radiation patterns, by luck I'm sure). I do not doubt the measured data that is presented, for they seem reasonable (gain, F/B, etc.).

The individual folds in the fractal pattern are very small in terms of wavelength (ref. his 10M quad example). It would seem to me that they would represent only small impedance bumps along the wire. How do they contribute to any improvement over a simply crinkled up piece of wire? What if one was to simply take a quad, bring the sides in, and make the wire longer to account for capacitance effects? Would the results be similar?

I do not pose these questions to bring down fractal antennas . They are just some of my own suspicions (ignorance?). Maybe someone can enlighten me. I do believe fractal antennas may be a good limited space antenna. I just wonder if there is really anything magical about it being a fractal. Other sites go in depth about the mathematical nature of fractals and some vague theories as to their antenna properties but say nothing in electromagnetic terms about why a fractal structure is required.

73,  
Steve Yates

AA5TB  
Fort Worth  
aa5tb@swbell.net  
<http://home.swbell.net/aa5tb/>

-----  
Date: Tue, 5 Jan 1999 03:53:28 -0600  
From: k5zty@juno.com  
To: cstack@safelink.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [28702] Re: A new record??  
Message-ID: <19990105.035426.11822.2.k5zty@juno.com>

We need some clarification on the parameters of this "New Record" Charles. This is not even close to a record. Mike Czuhajewski has a 129,917 mile per watt certificate on 10 meters. K7IRK has a 4,151,429 mile per watt certificate on 10 meters. Those were just the first two that I saw when I opened the book and I am sure there are bigger records.

I did this last weekend with my HW8 <1 watt and a Force 12 yagi on 15 meters. Germany, Spain, Hungary and France.  
Bill, K5ZTY  
Houston, TX

On Sun, 3 Jan 1999 16:47:45 -0700 "Charles L. Stackhouse"  
<cstack@safelink.net> writes:

>"New antenna design has broken distance record for radio signal  
>  
> The novel design by Fractal Antenna Systems transmitted  
>successfully over  
>5,000 miles from Massachusetts to Europe on a single watt of power, a  
>record.  
>  
>

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 03 Jan 1999 22:01:47 -0600  
From: "WILLIAM T. ROSE" <supertec@mail.myriad.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [28703] Re: Record  
Message-ID: <36903D2B.44FDADAB@mail.myriad.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Maybe it was a "Fractal" of a Mile..... SRI I couldn't help myself, it late!

--

KC5SCC .....BILL  
"Deep in the Heart of Texas"  
Emtech 80/20 80m & 40m ---Knightlite Smite 80m ---Pixie II 40m  
Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm  
Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2  
Crushcraft A14820T 2m Beam

-----

Date: Sun, 3 Jan 1999 23:02:23 -0500  
From: "Mitch Dickson" <mitch@volstate.net>  
To: <al7fs@pobox.alaska.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [28704] Re: ICQ for QRP  
Message-ID: <007501be3797\$09c13940\$17338cd1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Anyone that want a Tennessee Contact and QSL can add me to their list.  
Catch me on and I will work you if I can. My ICQ #15853283  
>

-----

Date: Mon, 04 Jan 1999 00:16:15 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [28705] Re.New record??  
Message-ID: <3.0.32.19990104001610.006d9068@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,  
There has been a flame war going on for the past few days on the

antennas reflector (QTH.net) between the Fractenna guy and several hams who want more info like dimensions etc. An interesting comment was made noting that the antenna photograph on the Fractenna website was taken with a tree as the background and you really can't tell much about it. My sentiments exactly.

Eudora filters are a blessing!

73 Pete W4VCT

-----  
Date: Mon, 4 Jan 1999 00:38:35 -0500  
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etcusa.cu>  
To: <qrp-L@LeHigh.edu>  
Subject: [28706] RE: A new record ??  
Message-ID: <005c01be37a4\$7ca1df20\$04000a0a@nwarfiel.usf.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

What a nice thread !!!

It brings in the spirit of the New Year to QRP-L , my favorite group of radio enthusiasts !

NO AMIGOS... it is certainly not a record, but as a good cuban joke, that I cannot quote here for obvious reasons... it is a good average !

BTW The joke deals with sex....

Well, the fact is that the Fractal Antenna just injected the signal into a very nice and healthy ionosphere of the last few days....

The other day, I just connected the test lead ( the black one ) of my FLUKE DMM to the coax connector of one of the HF rigs here, then tuned it... to 1.6 to 1 SWR, called CQ on CW around 28.060 while feeding some 50 watts... and sure enough a W4 came back...

So, you see, the ERP should had been pretty low...

OH YES, the rig was connected to the ground system for the other "side" of the antenna

And talking about "sides", there is a positive side about all this of the "record"... we all can enjoy the anecdotes of other QRP-L participants, and perhaps someone can write an e-mail to the paper that published the record...It won't be a bad idea to make that newspaper's e-mail address available here at QRP-L if someone has access to it...

I worked at a national circulation newspaper for 10 years ( yes, I WAS, the Science and Tech editor ) and my Senior Editor just loved those letters from readers objecting , or otherwise critic of what we published... he will publish those letters as soon as they came in...

And you know, what landed me the job at the paper was a later I wrote to him, when they had a banner headline saying that the electricity utility had installed 220 MILLION VOLTS transmission lines all

along the island !!!  
HAPPY NEW YEAR TO ALL  
BTW... propagation forecast.... 10 meters is NOT going to be so good for the  
next 3 days or so.. believe me, not that bad, but not as good as during the  
holidays  
YOur friend in Havana  
Arnie Coro  
C02KK

-----  
Date: Mon, 4 Jan 1999 00:45:14 -0500 (EST)  
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>  
To: Pete Burbank <plburbank@kih.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [28707] Re: Re.New record??  
Message-ID: <Pine.LNX.3.96.990104002817.31453A-1000000@dragon.slug.louisville.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 4 Jan 1999, Pete Burbank wrote:

> Gang,  
> There has been a flame war going on for the past few days on the  
> antennas reflector (QTH.net) between the Fractenna guy and several  
> hams who want more info like dimensions etc. An interesting comment  
> was made noting that the antenna photograph on the Fractenna website  
> was taken with a tree as the background and you really can't tell  
> much about it. My sentiments exactly.  
> Eudora filters are a blessing!

:)

Just FWIW--

me an' the fellow who did this are working on an empirical formula for  
this, and I'll likely be writing a program to do this automatically once  
this is done. Once that's done, I'll put up a link on my account here and  
post the URL.

Yes, I have gotten explicit permission from the creator to do this; you  
may also forward this to the antennas list.

-fer

-----  
Date: Mon, 04 Jan 1999 00:15:29 -0600  
From: "George T. Baker" <w5yr@swbell.net>  
To: we6w@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [28708] Re: Straight Key Night/Millennium Challenge!  
Message-ID: <36905C81.93E34293@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed, you have described the Speed-X I bought in 1945 and taught myself the code with. Still got it!

72/73, George  
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Ed Loranger wrote:

> This year I'll be using my best straight key:  
> Speed-X with black base that I got this year  
> in a trade for a smart charger.

-----  
Date: Mon, 4 Jan 1999 02:24:01 EST  
From: N7YA@aol.com  
To: qrp-l@lehigh.edu  
Cc: ham-radio-history@egroups.com  
Subject: [28709] Thanks  
Message-ID: <15f5819.36906c91@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

I just wanted to say Thank you to everyone for the help i received in response to my unsubscribe/resubscribe question i had. if you will notice, my address is now N7YA@aol.com. qrp-l and ham-history are the best lists, thanks again!

73....Adam, N7YA

-----



Date: Mon, 04 Jan 1999 03:01:43 EST  
From: we6w@juno.com (Ed Loranger)  
To: plburbank@kih.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [28710] Re: Re.New record??  
Message-ID: <19990103.235834.8039.1.we6w@juno.com>

The last few days????????? Heck, I left the newsgroup 2 years ago and they were arguing the fractal antenna design. This is some pretty old news :)

His HF design is on one of the web pages out there too. I've seen it. I also know it is similar to a bobtail with one leg going up instead of down. it has gain toward the higher leg.

That was a while ago so maybe he's modified it since. Communications Quarterly magazine has 2 articles by Chip, I have read them and they are interesting. The design is used in patch antennas for UHF and above. Check the 1994-1996 timeframe.

I am not posing as an authority here. These are ramblings of some research I performed with an open mind. Sometimes not found in the news:rec.radio.amateur.antenna newsgroup :)

The day I left the newsgroup, was the day I received email from our very own Chris Cartwright/N3XRV who steered me to 'the way' on QRP-1.

Thanks Chris!

There are lots of ways to sell an antenna design. Gain, directivity, beamwidth, FB ratio, size, efficiency, beam angles....

The best antenna is the one that fits the task at hand. After reading Kraus' Antennas, the Jasik compendium and countless antenna articles as well as one antenna engineering course via Berkely Satellite, it is matching the antenna to the task that is most important.

There is nothing for free. GHz band antennas need capture area, so they have large surfaces with lots of little antennas. There are traveling wave antennas, parasitics, coupled, phased, beam steering, polarity diverse, you name it.

Point? The fractal has its place and will set records for that application. And like marketing, the application may be adjusted so only one antenna wins.

All this reminds me of the NERDS contest. 1 hour and 200 Feet of wire, 100 feet of feedline, build your antenna beginning no earlier than 1 hour before the contest. It was fun and we radiated well.

Most common antenna built? Well, it didn't have a lot of angles :)

My best to all. -ED we6w

Disclaimer:Information provided as personal point of view with no intention to disprove claims by Fractal Antenna Systems et. al. All information is a factual accounting of direct research by me over years of study and may contain incorrect dates, times or information due to the expedient nature associated with creating email within an active discussion group.

72, Ed WE6W QRP-Z#106 -L#1068, AR Millenium QSO's=35  
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

On Mon, 04 Jan 1999 00:16:15 -0500 Pete Burbank <plburbank@kih.net> writes:

>Gang,  
>There has been a flame war going on for the past few days on the  
>antennas reflector (QTH.net) between the Fractenna guy and several  
>hams who want more info like dimensions etc. An interesting comment  
>was made noting that the antenna photograph on the Fractenna website  
>was taken with a tree as the background and you really can't tell  
>much about it. My sentiments exactly.  
>Eudora filters are a blessing!  
>73 Pete W4VCT  
>

---

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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 04 Jan 1999 06:42:29 -0500  
From: ntan <ntan@crosslink.net>  
To: QRP-L <qrp-l@lehigh.EDU>

Subject: [28711] Tex-BQU  
Message-ID: <3690A921.2AD1FAD6@crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I read the posting abt Tex, W5BQU and remembered the qso I had with him just after I moved here to Gwynns Island, Va. in Mar. '93. I had just finished putting up my random wire vertical and had my ft101ee just inside the doorway, on the floor and I either called cq or answered his, don't remember, but I do remember the chat (or most of it) and he mentioned the trips to KL7 land and that he was 92 yrs and a ham for 62. I received his qsl about 3 days after our chat and the front shows what a great sense of humor the OB has. Mine has his call in the center running diagonal with line drawings of his shack, windmill tower/ant support and water tower on one side of his call, and on the other side is "across the border" with the cantina/cabaret. Between the two are his "tracks" leading from his shack to the cantina etc. passed cactus to a side stop to the "emergency sand box", back across the border and back to his shack. I'm glad to see others still have fond memories of working Tex.-----72 de WA4CHQrp

-----  
Date: Wed, 23 Dec 1998 16:04:55 -0800  
From: utahfolk@konnections.com  
To: qrp-l@lehigh.edu  
Subject: [28712] NEED UTAH QSO/QSL?  
Message-ID: <36818526.4361@konnections.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

If anyone would like a sked with UTAH, KD7AEE can probably help you out ... let me know what sked / freq you'd like ... (Tuesday is best day here!) .... work all the standard HF bands ....

....de OG, KD7AEE in UTAH

-----  
Date: Mon, 04 Jan 1999 13:29:16 -0500  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>  
To: qrp-l@lehigh.edu  
Subject: [28713] re: a new record?

Message-ID: <3.0.16.19990104132838.299f80e0@som-uky.campuscw.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sombody wrote-

>From Investor's Business Daily newspaper, p. A2, Dec. 29, 1998

I'm in digest mode, so excuse me if this has been brought to the attention of the list. Sounds like another investment "opportunity" for the ill-informed investor.

Seems like I see more and more of these revolutionary discoveries being made every day. Unfortunately, there are sometimes just enough people out there that will take the hook.

What's next? An emergency battery powered personal communicator that can transmit around the world without the aid of satellites, can be stowed away in a backpack, and requires no microphone?

It's revolutionary, I tell 'ya. Get in on the ground floor of this once in a lifetime opportunity.

tu de Rich

Happy Holidays from  
Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>  
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

-----  
Date: Mon, 04 Jan 1999 08:40:15 -0800  
From: BC <bcrow@powerlink.net>  
To: burnley-ia@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [28714] Re: Alinco DX-70TH info?  
Message-ID: <3690EEEF.6B4@powerlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have the DX-70T (low power on 6 meters) which I am running mobile. Fantastic rig, but the multifunction controls are a little tricky to work at cruising speeds. Otherwise, I love it, and at the price, it's hard to beat.

One thought: I would have been willing to pay a few dollars more to have the mobile bracket included, rather than try to find one after the fact.

72/73 de Bill, K1NIT

-----  
Date: Fri, 4 Dec 1998 08:51:56 -0500  
From: andymeng@juno.com (Andy C Meng)  
To: qrp-l@lehigh.edu  
Subject: [28715] miles/W record  
Message-ID: <19981204.085159.14406.0.andymeng@juno.com>

>The record is well over 1 million miles per watt. I just  
>can't remember just how much over!

I have a Nov. 90 issue of "73". There is an article about a 10M fireball rig, and Bob Moody, K7IRK, worked WA6YPE running 6 microwatts, an equiv. of 218 million miles per watt!!!

Andy KC8KFI

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 4 Jan 1999 07:12:49 -0800  
From: "Jon Zweig" <jzweig@sirius.com>  
To: <qrp-l@lehigh.edu>  
Subject: [28716] Elmer 101 Power Supply Question  
Message-ID: <000901be37f4\$b32be9a0\$2ff286cd@jzweig.jps.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang-

Some of those "wall transformers" that recharge HTs output 12 V DC. Is this clean enough to feed a QRP rig? Also wondering about power supplies from computer cases. I would assume these are switchers. Have heard conflicting reports about rf from these critters.

Thanks!!

Jon  
AD6FX

-----  
Date: Mon, 04 Jan 1999 10:08:10 -0800  
From: Randy Hargenrader <randyh@harksystems.com>  
To: "klqrp@waterw.com" <klqrp@waterw.com>, qrp-1@lehigh.edu  
Subject: [28717] KNet 1/3/99  
Message-ID: <3691038A.AD98C10B@harksystems.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The KnightLite QRP net was lightly attended last night, I suppose due to some poor condx in propagation and wx.

QNI:  
AE4GX Sam/Atlanta, GA/900mw/ his RST was 559  
KF2PH Nick/500mw/ 439  
AE4IC Bob/579  
KA2QPG Pierre/5W/Dipole/549  
KC5SCC Bill/Bryan, TX/5W/Delta Loop up 50'/229  
WF4I Derek/4W/Sierra/559  
W3KC Chas/3W/Zepp ant/579  
WJ4P Randy/NCS

Thanks for hanging in there gang. See you next time.

The KnightLite QRP Net is open to all stations (including QRO).  
We gather on 3.686.4 MHz at 9:30PM Eastern on Sunday nights.

--  
73, Randy WJ4P  
Knightlites QRP-L #296

-----  
Date: Mon, 04 Jan 1999 09:11:07 -0500  
From: rhiller@sysdev.com (Rick Hiller)  
To: qrp-1@Lehigh.EDU  
Subject: [28718] FS: Tec-Tec Argonaut 509  
Message-ID: <3.0.5.32.19990104091107.00825b20@stephen.sysdev.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Howdy QRP-L'ers,

I have for sale a Ten-Tec Argonaut 509 Transceiver.

Transceiver works well. Physical configuration and condition is as follows: Unit is configured with the add-on 245 CW filter PCB mounted inside the transceiver NOT in an external add on enclosure like the 208. Selection of the CW bandwidths are selected by a rotary knob/switch located thru the rear panel.

Front panel is about a '7' paint wise. Paint at top edge is scratched off at numerous locations but this cannot be seen looking directly at the front. Control markings are fine except for the AF Gain and Power off lettering. It should be AF GAIN and POWER ON-OFF. It is .. .AIN and PO... ON-.FF Dots(...) specify incomplete or missing letters. Plastic bezel is great as is the VFO knob and skirt.

Rear panel is OK but the 'manufacturing and model' lettering is not complete. Power-in has been modified to a DC coaxial connector and antenna has been changed to a BNC.

Inside is clean.

Comes with an original manual, power cord, and hand microphone. I am asking \$170 shipped.

Please contact me direct with inquiries. Thanks...Rick...W5RH

-----  
Rick Hiller  
Manager, Business Development  
System Development, Inc. Houston, Texas

"Providing CGM based Hardcopy and Interactive Graphics tools"  
Check us out at <http://www.sysdev.com/>

-----  
Date: Mon, 4 Jan 1999 07:26:43 -0800 (PST)  
From: Ron Stark <ku7y@dri.edu>  
To: Ed Loranger <we6w@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [28719] Re: Re.New record??  
Message-ID: <Pine.SOL.3.96.990104072327.29351A-100000@vortex.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 4 Jan 1999, Ed Loranger wrote:

> The best antenna is the one that fits the task at hand.  
> ..... it is matching the antenna to the  
> task that is most important.

This is the best statement about antennas I've seen in  
a long, long time!

And I'll add this..... you can NEVER have enough antennas!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Mon, 04 Jan 1999 10:35:29 -0500  
From: Scott Howell <whowell@hq.nasa.gov>  
To: qrp-l@lehigh.edu  
Subject: [28720] can someone help me verify  
Message-ID: <3.0.5.32.19990104103529.007be7f0@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

want to check these values and match them to Mouser part numbers. I tried  
searching, but probably searching on the wrong criteria. So, please don't  
laugh at me<g>, but not sure 9-50pf is the value or what. I haven't seen  
how you guys write this stuff in print so not sure if that's the value as I  
should search for it or what.

tnx and if anyone has any of these they'd like to sell direct, let me know.  
There for Al in Slovenia.

72/73 de Scott/n3byy

> Every sierra module requires 7 variable capacitors:  
>160m     9-50pF..7 pieces  
>80m      9-50pF..7 pieces



>etc  
>15m        5-30pF..7 pieces  
>10m        5-30pF..7 pieces  
>  
>Unfortunately I have loaned my sierra manual to colleague , and can not send  
>you mouser  
>part number.  
>  
>So, I would like to activate on 15, 10, 80 meters, therefore I would need  
>7pieces of 9-50pF and 14 pieces of 5-30 pF  
>Capacitors are veritcal ones.  
>  
>Maybe you can ship me just 7 capacitors ( 5-30 pF, to activate at first 10m  
>QRP) in a letter and write on a note that is  
>used electronic equipment as a gift. I think that shipment cost about 1,  
>8 \$ to Slovenia.

-----  
Date: Mon, 4 Jan 1999 07:55:36 -0800  
From: Brian Murrey <brian@iquest.net>  
To: qrp-l@lehigh.edu  
Subject: [28721] FOX: My turn in the bucket  
Message-ID: <99Jan4.075520pst.17025@firewall.bellind.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi all,

Just a reminder, I will be the FOX on January 13th beginning at 02:00 UTC. For UTC impaired, that's 9pm EST Tuesday the 01/12/99th, and I will attempt to operate until 04:00 UTC or 11pm EST, whichever comes first.

I need Washington, North Dakota, Utah, Montana, Nebraska, Wyoming, New Mexico and Alaska in a bad way. So I'll try to listen extra hard for these folks. Start near 7.040 depending on QRM. Oh yeah....any Hawaiian Stations that want to be my new best friend, just yell.

I will have a special QSL Card of some sorts. PLEASE don't be a drag, QSL your contacts in a timely fashion whenever possible. I do mine nightly, takes 10 minutes and a buck worth of postage. It's just common courtesy.

WAS: 37 worked, 32 confirmed, all QRP

--

=====

KB9BVN - NORCAL #2792 FISTS #5695 QRP-L #1540  
39.558 N 86.095 W Johnson Co., Indiana  
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.8w

=====

-----

Date: Mon, 04 Jan 1999 11:07:14 -0500  
From: Michael Maiorana <mikemo@ibm.net>  
To: jzweig@sirius.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [28722] Re: Elmer 101 Power Supply Question  
Message-ID: <3690E732.AF20DA55@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jon Zweig wrote:

> Some of those "wall transformers" that recharge HTs output 12 V DC. Is this  
> clean enough to feed a QRP rig? Also wondering about power supplies from  
> computer cases.

It depends ;-)

If the wall transformer has a 12 volt DC output with enough current capacity it should be okay. Be careful, as some of the wall transformers are not regulated. The loaded voltage may be 12 volts, but at no or light loads (QRP rig in receive mode), the voltage can be very much higher. Just use your volt meter before you connect it.

The computer power supplies 12 volt section should be okay, but more noisy than an analog supply. Again, check it with your volt meter, then try it.

--

72 de ku4qo  
Mike Maiorana  
Palm Harbor, FL

-----

Date: Mon, 4 Jan 1999 08:35:54 -0800 (PST)  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: Message posts for QRP-L <qrp-l@lehigh.edu>  
Subject: [28723] IC-706 INFO PLEASE  
Message-ID: <19990104163554.2816.rocketmail@send204.yahoomail.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Good morning y'all - -

I'd like to hear from anyone using any version of the IC-706 (i.e. IC-706, IC-706MKII, or IC-706MKIIG). Specifically, how you like it, how reliable it's been, how it performs mobile and in general at QRP output levels (obligatory QRP), and specifically how it operates on CW. Please respond to me directly.

See y'all in the FYBO. I'm already warming up my fingertips to defend my single operator high score from last year. Well, actually, as cold as it's been around here lately, I'm just warming up my fingertips period!

72's es 73's,

Brad, W5CGH

==

Brad Bradfield, PE	W5CGH	Systems Engineer
(ex WB0CGH)		Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377	SMIRK #4906
ARS #72	Austin QRP Club #e

-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 4 Jan 1999 12:33:36 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [28724] RE: New record?  
Message-ID: <199901041719.MAA22662@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Indeed. When 10M is hot, a wet string will net 5,000 miles with a watt.

Last week I got a 5x1 report from the Canary Islands running 4 watts pep to a 5/8 A99 CB antenna on 12M. Not too remarkable, but latter I noticed the SWR was really bad and discovered I had hooked up the antenna tuner backwards!

In any event, the Fractal antennas are interesting as a method of getting larger radiating and capture areas. What would be of value is some hard data from an antenna test range on how the Fractal antenna compairs to other antennas, such as a dipole, vertical and yagi.

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 4 Jan 1999 11:17:20 cst  
From: wj5o@juno.com (William H. Hays)  
To: TENTEN-L@LEHIGH.EDU, QRP-L@LEHIGH.EDU  
Cc: mtyler@access.mountain.net, w3hh@tsil.net, n7lt@montana.net, flesnick@tbaytel.net, ab8z@hotmail.com, howardvmf@erols.com, ve7mty@rac.ca, qrp10@juno.com  
Subject: [28725] good ten meter day  
Message-ID: <19990104.112059.-84527.2.WJ50@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi all,  
I just copied 16 beacons into South Texas in :10 minutes 16:52Z 4 Jan 99

W2VD	28.296MHz	
K9KXP	28.291MHz	
NQ2RP	28.287MHz	125MW
WA8YWO	28.285MHz	100MW
W3HH	28.268MHz	
KA1NSV	28.259MHz	
N7LT	28.249MHz	
VA3SBB	28.241MHz	
AB8Z	28.241MHz	
N2VMF	28.236MHz	
N1WRG	28.235MHz	

K2KL 28.218MHz  
N3BUB 28.214MHz  
W8MI 28.218MHz 500MW  
VE7MTY 28.197MHz  
VE3TEN 28.175MHz

73 Bill "Sparkling City by the Sea" WJ50/BCN 28.289MHz  
Corpus Christi, Texas

-----  
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from Juno, the world's second largest online service.  
Download your free software at <http://www.juno.com/getit.b.html>.  
-----

Date: Mon, 04 Jan 1999 12:50:33 -0500  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: k5zty@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [28726] Re: A new record??  
Message-ID: <3690FF69.98D4CA9E@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bill could not be more correct. When conditions are good on 10 meters (which should be soon with the sunspots increasing) it's "no big deal" to work anywhere else in the world. I've worked Korea and Bahrain with one watt from Florida on 10 meters (on Mosley Classic 36 tri-band beam) and not given the contacts a second thought. This puffing by Fractal Antenna Systems about a "New Record" is a lot of bunk. With such a blatant misstatement of fact, I wonder if other statements by the antenna maker are to be taken seriously. Tom, N1TP, Naples, Florida.

k5zty@juno.com wrote:

> We need some clarification on the parameters of this "New Record"  
> Charles. This is not even close to a record. Mike Czuahajewski has a  
> 129,917 mile per watt certificate on 10 meters. K7IRK has a 4,151,429  
> mile per watt certificate on 10 meters. Those were just the first two  
> that I saw when I opened the book and I am sure there are bigger records.  
>  
> I did this last weekend with my HW8 <1 watt and a Force 12 yagi on 15  
> meters. Germany, Spain, Hungary and France.

> Bill, K5ZTY  
> Houston, TX  
>  
> On Sun, 3 Jan 1999 16:47:45 -0700 "Charles L. Stackhouse"  
> <cstack@safelink.net> writes:  
>  
> >"New antenna design has broken distance record for radio signal  
> >  
> > The novel design by Fractal Antenna Systems transmitted  
> >successfully over  
> >5,000 miles from Massachusetts to Europe on a single watt of power, a  
> >record.  
> >  
> >  
> >  
> -----  
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> or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 04 Jan 1999 11:49:44 -0700 (MST)  
From: Gary Hembree <gary.hembree@asu.edu>  
To: 3830@contesting.com, qrp-1@lehigh.edu  
Subject: [28727] N7IR QRP Stew Perry 160M Score  
Message-ID: <3.0.32.19990104115000.00907870@imap4.asu.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

N7IR 1998 Stew Perry Top Band Distance Challenge  
58 Q's  
217 points  
X4 QRP power multiplier  
868 claimed score  
Op time about 6 hours

73  
Gary, N7IR  
DM43bi (aka NW Chandler, AZ USA)

-----  
Date: Mon, 4 Jan 1999 09:07:34 -0500  
From: w4bws@juno.com (Donald E Sanders)  
To: mikemo@ibm.net  
Cc: qrp-1@Lehigh.EDU

Subject: [28728] Re: Capacitor Current

Message-ID: <19990104.135344.3814.0.w4bws@juno.com>

Mike, consider using concentric copper or aluminum tubing with thin teflon sheet as the insulation. the tubes can be sliding to adjust and ,if needed, a 1/4 " nut can be soldered to the ends of the center and a threaded shaft be used to screw the pipe into the outer pipe to make the capacitor. This has been used on the 20 meter small loops and worked well.

Donald Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, FL 32937

407-779-0222 Fax 407-779-0830

W4BWS@juno.com

My favorite QRP rig glows in the dark

On Fri, 01 Jan 1999 21:38:10 -0500 mikemo@ibm.net writes:

>More playing with small transmitting loops.

>I picked up some high voltage caps at a Hamfest to try to extend the

>tuning range of my loop. 500pf at 20kV. The capacitance and voltage

>are

>okay for the application, but I'm worried about current. The loop

>program says that the RF loop current can excede 7 amps !!

>These caps look awfully small to handle 7 amps, so I just may make a

>cool "smoke show". Any thoughts before I sacrifice one these little

>gems?

>

>Also, I've been looking into making my own butterfly air variable caps

>for the STL. I made up a drawing of some good sized stator and rotor

>plates. I got a quote from a laser cutting shop in NY. Each set (one

>rotor and two stators) will cost over \$16, 15 sets per cap, \$240,

>OUCH!

>Makes that MFJ loop look really affordable ;-) Any machinests out

>there

>with some advice on the least expensive way to get these fabricated?

>

>Happy New Year!

>72 de ku4qo, Mike Maiorana, Palm Harbor, FL

>

---

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or call Juno at (800) 654-JUNO [654-5866]

---

Date: Mon, 4 Jan 1999 11:58:49 -0700

From: Brad Mugleston <bmug@gw1.com>

To: "'Bob Hightower'" <ki7mn@extremezone.com>, "bmug@gwl.com" <bmug@gwl.com>  
Cc: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>, "cqc@fran.chisp.net"  
<cqc@fran.chisp.net>  
Subject: [28729] RE: January 2  
Message-ID: <01BE37D9.983CB9A0.bmug@gwl.com>

NOT that one. I'm talking about the one the manual calls a mic. That thingy that sits on the desk, has a nice cord on it so it won't get lost. I did have to duct tape a Popsicle stick to the back to keep the headset from slipping off the back (poor design).

de KI OT, Brad

-----Original Message-----

From: Bob Hightower [SMTP:ki7mn@extremezone.com]  
Sent: Thursday, December 31, 1998 9:32 AM  
To: bmug@gwl.com  
Cc: qrp-1@lehigh.edu; cqc@fran.chisp.net  
Subject: Re: January 2

At 01:26 PM 12/31/98 -0700, Brad wrote:

>Gang(s),

>

> This is a VOICE thingy so I

>guess I need to dig up my headset holder and find out how to use it.

>

I thought most of us carried our headset holders around with us all the time :^)

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

-----  
Date: Mon, 4 Jan 1999 14:01:31 -0500  
From: wgabriel@dukeengineering.com  
To: qrp-1@Lehigh.EDU  
Subject: [28730] Any Ham License Classes/Houston?  
Message-ID: <852566EF.00687E9E.00@dpinet01.dukepower.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I have a lady friend in the Kingwood/Humble, Texas area (Northeast Houston) who is interested in obtaining her ham ticket. If any of you guys in this



area know of any classes that might be held by some local clubs in that area, I would appreciate hearing about them to relay this information to her.

She appears mostly interested in a Technician class right now but I am trying to push her to at least get the 5wpm code as well.

Thanks - Watson/WB4EXW

-----  
Date: Mon, 04 Jan 1999 11:14:04 -0800  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-l@lehigh.edu  
Subject: [28731] Re: Capacitor Current  
Message-ID: <369112FC.208B671A@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Mike,

On a small diameter loop, the tuning capacitor is usually placed at the opposite side of the antenna from the coax connector. This is normally a high voltage point, not a high current point. If your capacitor sees 7 amps I suggest you reduce your transmitter power by a several thousand watts .... tongue firmly planted in cheek.

>

> On Fri, 01 Jan 1999 21:38:10 -0500 mikemo@ibm.net writes:

> >More playing with small transmitting loops.

> >I picked up some high voltage caps at a Hamfest to try to extend the

> >tuning range of my loop. 500pf at 20kV. The capacitance and voltage

> >are

> >okay for the application, but I'm worried about current. The loop

> >program says that the RF loop current can exceed 7 amps !!

--

=====  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----  
Date: Mon, 04 Jan 1999 12:33:06 -0700

From: Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
To: qrp1 <qrp-1@Lehigh.EDU>, "azqrp@extremezone.com" <azqrp@extremezone.com>  
Subject: [28732] Receiving 50 ohm Thermal Noise?  
Message-ID: <36911772.C4F826C5@email.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

As I posted before, I built a DC transceiver dedicated to 28.322 MHz using a 1xFO Tayloe detector. I used a socket for the canned oscillator, so I can plug in other frequencies.

I was doing some receiver testing this weekend with a 14.318 MHz canned oscillator (my signal generator only goes to 19 MHz), and I noticed that I could hear an increase in the background receiver noise when I connected the 20 db pads I use to make MDS measurements on the receiver.

Right now, I measure -130 dbm Minimum Discernible Signal ( $S+N/N = 3$  db) in a 1.6 KHz bandwidth. The receiver has a 800 Hz low pass filter, but this DC receiver sees both images, thus the 1.6 KHz bandwidth. When I hook up the 20 db 50 ohm pads, I see a 1.5 db increase in the receiver noise.

Is this actual thermal noise from the 50 ohm pad (given -130 MDS in 1.6 KHz BW) or I am just seeing some other effect?

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions; QRPL # 696

-----

Date: Mon, 04 Jan 1999 19:37:51 +0000  
From: Peter Larsen <larsenp@cadvision.com>  
To: n4xy@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [28733] Re: CANADIAN, not British key (uh-whoops!)  
Message-ID: <3691188F.2E0FCE7E@cadvision.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed Tanton wrote:

>

> Hi Jim... Canadians everywhere are looking to pound your brass for

"I don't think so Tim." Any one can make a mistake.

--

73 es have fun

Peter

VE6YC D021wc

-----  
Drinking and calculus don't mix. Never drink and derive!!  
-----

-----  
Date: Mon, 04 Jan 1999 13:47:26 -0600

From: mjfitz@uswest.net

To: qrp-1@Lehigh.EDU

Subject: [28734] E-Z MATCHING SST X-TALS FER 'BREWIN'

Message-ID: <36911ACE.9EA5CBD3@pop.omah.uswest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Homebrewers,

If you've wanted to homebrew an SST for 15 Mtrs (or any other band) but concerns over getting matched crystals are holding you back, read on....

Last summer I had excellent "luck" buying the needed microprocessor xtals

for the SST in small quantities and finding their frequencies to be really "tight" already. That is, the lots of 10 purchased from Mouser and Digi-Key contained just a couple of xtals that were not usable in the crystal filter (but ok for the BFO and TX mixer if you use trimmers to adjust them--you want to use trimmers here anyway to fine tune just right!). BTW--they cost about a buck each...

To those of you who want to try a first completely home-brewed rig I can think of no better, easier-to-get-going' little project than to build one of these fine little rigs from Wayne B. I used the pad and superglue method and it works great.

I ended up building 4 of them(15, 20,30,40 M) and they all fired up with-out a hitch and work as well as the kits(yup-got 2 of those..).

The xtals were easily measured using two 2N2222A's in a little crystal-tester circuit which appeared in QST maybe 12-24 mos. ago in the

tech-Q & A  
column using a \$100 hand-held counter. I ended up with  
several 3-xtal  
sets that had a span of less than 20 cycles(that's 20  
"hurts" for you new guys)  
and very few unmatchable(yet usable, as mentioned above)  
ones.

There are many of these little rigs on the air, and they  
work very well  
considering the parts-count. Don't let the fear of a  
hassle matching xtals  
keep you from it..... Mike KI0AF Mo. Valley, IA

-----  
Date: Mon, 04 Jan 1999 20:25:02 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [28735] FB-40 to be homebrewed.  
Message-ID: <3691239E.F37@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well gang, I finally got some webrowsing time in.

Just checked out the Fireball 40 at  
<http://www.njqrp.org/fireball40/>

Man, I've got these parts laying around.

My FB 40 will be started tonight after the  
spartan sprint and maybe even be on the  
air if I dig for the 28.322 TTL oscillator.

I will be on 7.080 MHz and using my station  
antenna for TX, and the ATS-818 for RX.

The output filter will be my double tuned  
40 Meter bandpass filter I built for  
my pixie2 to stop BCI and Bandpass 7040. It  
is low enough Q to cover most of 40 meters.

Ahhhh, but what is Ed Reeeeeaaaaallly up to?

Hee, hee. Well Beavis, I'm gonna steal the 5 volts out of my pixie2 where I have it set up to regulate the LM386, and I'm going to add a slide switch to choose which oscillator is feeding the power transistor. I'll piggyback the FB-40 in the box and have choice of Pixie2 Transceiver, or FB-40 TX, or free-run the FB-40 and not key the pixie2 and have a

FB-Pixie2!!!!!!!

That's RaaaahhT. A very FB-Pixie2.

Just gotta love the way this poor ham thinks.

CATCH ya'll in the Spartan sprint tonight.

That's 0200-0400Z across the country.

I'll be 5 Watts near 7040 on my OHR-100.

-Ed

--

-Ed AR QRP Millenium QSO's=36/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Mon, 4 Jan 1999 15:35:50 -0500 (EST)  
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>  
To: qrp-l@lehigh.edu  
Subject: [28736] Re: NEED R2 BUILDING INFO, TIPS, ETC.  
Message-ID: <Pine.SOL.3.92.990104153055.21351A-100000@madrox>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike KI0AF asked about stable VFOs...W7ZOI's article about VFO temperature compensation (reprinted in QRP Power) is very worthwhile, and not just for the discussion of temperature compensation methods.

I've played around with SMD VFOs and found them to be very stable. Look in your back issues of QRP Quarterly...

Laura Halliday VA3LDH "Que les nuages soient notre

Grid: FN03gs                      pied a terre..."  
   - Hospital/Shafte

-----  
Date: Mon, 4 Jan 1999 13:06:44 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <kkanalz@optelinc.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [28737] Re: Aluminum primer?  
Message-ID: <0f9001be3826\$24e7b430\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I've been looking for the fabled "zinc chromate primer" for quite a while now, because I have never been happy with my attempts to produce a good paint finish on aluminum.

First stop was the local OSH hardware store, which is about an order of magnitude better than Home Depot and the like. Surely they would have a suitable product for priming aluminum. The resident paint expert handed me a can of zinc galvanizing paint whose label explained that it was excellent for restoring the protective coating on galvanized steel. It was clear that they had nothing resembling zinc chromate primer or a substitute for it for preparing aluminum surfaces for finish painting.

Stops at several retail paint and hardware stores yielded the same result.

Next stop was the Internet. This is how I learned that zinc chromate was a known carcinogen, and therefore availability was limited. (See [http://www.osha-slc.gov/ChemSamp\\_data/CH\\_276900.html](http://www.osha-slc.gov/ChemSamp_data/CH_276900.html) hope I typed that correctly) In fact, the US government is looking for a suitable replacement for use on the Titan IV missile; apparently, zinc chromate primer is too dangerous for use on weapons of mass destruction.

Now I have to ask myself the question, "Do I really want to get hold of some of this stuff?"

Mike K1MG

>...  
>The "primer" you need for aluminum is usually  
>"zinc chromate". In the old days, it was a kind of  
>yellowish-green color, but today, it's available in  
>several other colors!  
>Karl K. - W8TIf

-----  
Date: Mon, 4 Jan 1999 16:12:54 -0500 (EST)  
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>  
To: qrp-l@lehigh.edu  
Subject: [28738] Re: Dynamic Range ramblings  
Message-ID: <Pine.SOL.3.92.990104154949.21351C-100000@madrox>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry to resurrect this old thread, but now that I'm back  
from holidays...

Please note that DSP, like all computer systems, will  
produce output data only as good as the input data.  
Thus the acronym GIGO - Garbage In, Garbage Out. While  
DSP can do remarkable things, some of which are  
impossible to do in analog circuits, it can't perform  
miracles. If the circuitry in front of the DSP is crap,  
the output from the DSP will be crap.

The place where digital techniques shine is in the  
"presence" of direct conversion receivers. With  
ruler-flat group delay, precisely tailored frequency/  
impulse response, etc., you can avoid many of the  
nasties that make receivers sound bad.

The reason manufacturers cut corners on such things  
is obvious: cost. If they put bulletproof RF, first-  
rate audio and good DSP in a radio, no ham could afford  
to buy it.

I'm reminded of a phrase from an article I read recently -  
"the luxury of entirely homebrew systems" (yep, yet  
another KK7B article).

As hams we can \*still\* build better radios than we can  
afford to buy. Engineering is always an exercise in compro-

Laura Halliday VA3LDH      "Que les nuages soient notre  
Grid: FN03gs                  pied a terre..."  
   - Hospital/Shafte

Date: Mon, 4 Jan 1999 16:28:06 -0500  
From: wn6hyx@qsl.net ()  
To: qrp-l@Lehigh.EDU



Subject: [28740] Fox N/T+  
Message-ID: <199901042128.QAA28393@ns1.qsl.net>

Hello Everyone,

Really lonely up on the novice bands so I'll be a N/T+ Fox on Thursday nite 5pm - 7pm pst (0100 - 0300 UTC)

Starting Frequency will be 7008 because of the qrm on 7110. (Thanks Tom).

Exchange Call/RST/QTH/Name/QRP-L#/Power

Hope everyone had a great Holiday and will see you Thursday.

72

Mary > wn6hyx QRP-L# 1779 QRP-C# 51 FIST# 5457

-----  
Date: Mon, 4 Jan 1999 16:45:07 -0500 (EST)  
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>  
To: qrp-l@lehigh.edu  
Subject: [28741] Re: Info on US subs for BC549A and TDA2003, BFR91A info needed.  
Message-ID: <Pine.SOL.3.92.990104164016.21550A-100000@madrox>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Why not buy the real things? Most U.K. electronics suppliers are just a phone call away - they have the stuff, they speak English, and they take credit cards over the phone. This  
\*is\* an international hobby, after all.

Laura Halliday VA3LDH "Que les nuages soient notre  
Grid: FN03gs pied a terre..."  
- Hospital/Shafte

-----  
Date: Mon, 4 Jan 1999 16:38:00 -0500  
From: wb8ygg@juno.com  
To: qrp-l@lehigh.edu  
Subject: [28742] Slingshots for Launching  
Message-ID: <19990104.163801.13582.0.wb8ygg@juno.com>

Hey folks, I ordered a couple of slingshots from a place in Texas.

<http://www.aactionsports.com>

These were pretty inexpensive slingshots, and perfectly good for launching the antenna!

If you order from them, be aware that they don't have a secure server for ordering,  
but they can handle over the phone, or mail in orders.

I have no interest in this place other than they were great prices, and I have my antenna launcher.  
(Folding no less for backpacking!)

73  
Brad

"One of the TICK Guys"  
Brad WB8YGG  
<http://www.frontiernet.net/~embres>  
[embres@frontiernet.net](mailto:embres@frontiernet.net)

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 04 Jan 1999 14:49:44 -0700  
From: Dan Tayloe-P26412 <[Dan\\_Tayloe-P26412@email.mot.com](mailto:Dan_Tayloe-P26412@email.mot.com)>  
To: leinwebe@mcmail.cis.McMaster.CA, qrp1 <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>,  
"azqrp@extremezone.com" <[azqrp@extremezone.com](mailto:azqrp@extremezone.com)>  
Subject: [28743] Re: Receiving 50 ohm Thermal Noise?  
Message-ID: <36913778.2EC406EB@email.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

> In <36911772.C4F826C5@email.mot.com>, Dan Tayloe-P26412 wrote:  
> >  
> >Is this actual thermal noise from the 50 ohm pad (given  
> >-130 MDS in 1.6 KHz BW) or I am just seeing some other  
> >effect?  
> >

I think I am indeed seeing thermal noise. See if my logic is

correct.

50 ohms is -152 dbm (I think) at 500 Hz BW. At 1600 Hz, there is  $1600/500 = 3.2x$  times the noise. This is 10.1 db, bring the 50 ohm noise contribution up to about -142 dbm.

-130 dbm is 0.1 uV of receiver noise. -142 dbm is 0.025 uV of noise from the 50 ohm pad.  $(0.1 + 0.025) / 0.1 = 1.25x$  change in the noise, which is 1.9 db. Close enough.

Therefore, it appears as if I can actually hear the additional thermal noise when adding the 50 ohm 20 db pad to the antenna connection of this receiver.

- Dan Tayloe, N7VE

-----  
Date: Mon, 04 Jan 1999 17:06:49 -0500  
From: Richard Arland <k7sz@epix.net>  
To: mgipe@reliablemeters.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [28744] Re: Aluminum primer?  
Message-ID: <36913B79.A2E47D97@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Mike and Gang:

I used Zinc-Chromate on several things around here including my tower prior to erecting it. The Vo Ed Autobody instructor procured the stuff he used to spray my aluminum. I will ask him where he got the stuff, if you are still interested.

Presently I have a "Christmas Tree" mobile radio mount made from T-6061 aluminum bar stock that needs to be treated and then painted, so I will find out where you get the stuff and forward the info to you.

73 Rich K7SZ

Michael A. Gipe wrote:

>  
> I've been looking for the fabled "zinc chromate primer" for quite a  
> while now, because I have never been happy with my attempts to produce  
> a good paint finish on aluminum.  
>

> First stop was the local OSH hardware store, which is about an order  
> of magnitude better than Home Depot and the like. Surely they would  
> have a suitable product for priming aluminum. The resident paint  
> expert handed me a can of zinc galvanizing paint whose label explained  
> that it was excellent for restoring the protective coating on  
> galvanized steel. It was clear that they had nothing resembling zinc  
> chromate primer or a substitute for it for preparing aluminum surfaces  
> for finish painting.  
>  
> Stops at several retail paint and hardware stores yielded the same  
> result.  
>  
> Next stop was the Internet. This is how I learned that zinc chromate  
> was a known carcinogen, and therefore availability was limited. (See  
> [http://www.osha-slc.gov/ChemSamp\\_data/CH\\_276900.html](http://www.osha-slc.gov/ChemSamp_data/CH_276900.html) hope I typed  
> that correctly) In fact, the US government is looking for a suitable  
> replacement for use on the Titan IV missile; apparently, zinc chromate  
> primer is too dangerous for use on weapons of mass destruction.  
>  
> Now I have to ask myself the question, "Do I really want to get hold  
> of some of this stuff?"  
>  
> Mike K1MG  
>  
> >...  
> >The "primer" you need for aluminum is usually  
> >"zinc chromate". In the old days, it was a kind of  
> >yellowish-green color, but today, it's available in  
> >several other colors!  
> >Karl K. - W8TIf

-----  
Date: Mon, 4 Jan 1999 14:37:20 -0800 (PST)  
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
To: qrp-l@lehigh.edu  
Subject: [28745] Building success and Spartan Sprint  
Message-ID: <199901042237.0AA27402@heracles.llnl.gov>

I took off the three days 28 - 30 Dec getting 11 days straight and built the OHR WM-2 wattmeter (among other projects!). Great kit and worked after finding those two cold solder joints (happened to be on wipers of two calibration pots). Yep, the SSTs put about appx 2. watts stock. Next trick is to get a cross-reference with the big-rig wattmeter (Tentec 238) at the 5W-10W level. First kit or significant construction since 1963...

I hope to be on tonight for the Spartan Sprint. Please look for me between 7030 and 7043 with the SST/40m. Also will be using the plexiglas lightweight

paddles and the lithium AA cell pack! This is my last opportunity for a Spartan Sprint debut until June as the class I teach is Mondays and Wednesdays this semester.

Worked a new country on 12m (ZK3, Tokelau) Sunday afternoon but was no hope of doing it QRP.

I am back monitoring email live after the big trial retirement (11 days...).

Please hope along with me that the USPS finds the NC40A I shipped Doc, K0EVZ, just before Christmas. Lost in USPS space...

Allan K7GT

-----  
Date: Mon, 4 Jan 1999 17:41:45 -0500  
From: "GeorgeW" <discount@crosslink.net>  
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [28746] Re: Aluminum primer?  
Message-ID: <00e401be3833\$6a8bffc0\$c8bcc7cf@discount.crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi guy-- zinc chromate primer is easily available from any aircraft supply store. I get mine from Dillsburg Airparts, Dillsburg , PA

73's N4MY

-----Original Message-----  
From: Michael A. Gipe <mgipe@reliablemeters.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, January 04, 1999 4:10 PM  
Subject: Re: Aluminum primer?

>I've been looking for the fabled "zinc chromate primer" for quite a  
>while now, because I have never been happy with my attempts to produce  
>a good paint finish on aluminum.

>

>First stop was the local OSH hardware store, which is about an order  
>of magnitude better than Home Depot and the like. Surely they would  
>have a suitable product for priming aluminum. The resident paint  
>expert handed me a can of zinc galvanizing paint whose label explained  
>that it was excellent for restoring the protective coating on

>galvanized steel. It was clear that they had nothing resembling zinc  
>chromate primer or a substitute for it for preparing aluminum surfaces  
>for finish painting.  
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>result.  
>  
>Next stop was the Internet. This is how I learned that zinc chromate  
>was a known carcinogen, and therefore availability was limited. (See  
>[http://www.osha-slc.gov/ChemSamp\\_data/CH\\_276900.html](http://www.osha-slc.gov/ChemSamp_data/CH_276900.html) hope I typed  
>that correctly) In fact, the US government is looking for a suitable  
>replacement for use on the Titan IV missile; apparently, zinc chromate  
>primer is too dangerous for use on weapons of mass destruction.  
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>of some of this stuff?"  
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>Mike K1MG  
>  
>  
>  
>>...  
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>>"zinc chromate". In the old days, it was a kind of  
>>yellowish-green color, but today, it's available in  
>>several other colors!  
>>Karl K. - W8TIf  
>  
>

-----  
Date: Mon, 04 Jan 1999 18:06:11 -0500  
From: ntan <ntan@crosslink.net>  
To: QRP-L <qrp-l@lehigh.EDU>  
Subject: [28747] NW 80/20 xcvr  
Message-ID: <36914960.4278985C@crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Happy New Year all!

I've got a problem with a 20m version of W6EMTs NW 80/20 xcvr. I built from scratch back in June '97. I saw the article and schematic in a copy of Hambrew and decided to build just the rx.portion. Got the parts and made my boards and put it together. Other than a few minor errors

all went well. I fired it up and the first thing that I noticed was the 2 sec. delay in the audio output. The other thing I noticed was the background hiss. When the band is active, its not that big a deal, but when the band is light, its pretty aggravating. I don't know where to begin with the audio delay problem, but for the hiss, I've tried all sorts of cures I've read here on the net and in various pubs for the noisy 386, and I still can't eliminate it. I've got it to quiet down, but just barely. ( I had built from scratch a 40-40 and I know it uses a different IC in the audio amp, but that thing is quiet!) Can anyone suggest cures? Thanks, 72 and keep it low----Neil WA4CHQrp

-----  
Date: Mon, 4 Jan 1999 18:08:13 -0500  
From: "Mitch Dickson" <mitch@volstate.net>  
To: <jzweig@sirius.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [28748] Re: Elmer 101 Power Supply Question  
Message-ID: <003a01be3837\$1bb29e00\$58338cd1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Forget the wall wart. Go with a computer supply. I run a lot of things on them. They are clean enough to run ttl chips, so you can run your qrp without incident, IF the power supply is working properly! Another good source of 1 or 2 amp supplies is broken vcr's! They have a good clean output and are SMPS. I Always buy them at yard sales for a buck or two. If I can't repair the VCR then I appropriate the power supply!  
>

-----  
Date: Mon, 4 Jan 1999 15:15:25 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [28749] Re: Aluminum primer?  
Message-ID: <104301be3838\$21ee9340\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks to all the good suggestions from the list members, I believe that I hit the jackpot. I just ordered a few cans from an aircraft parts company. (800-800-3229 \$7.95 per can)

Now I just need to make sure my cancer insurance is paid up.

When I receive the paint, I will run a few tests and report my results to the list.

Thanks much!

Mike K1MG

-----  
Date: 4 Jan 99 18:24:30 EST  
From: Roy Lincoln <wa4dou@usa.net>  
To: owner-qrp-1@Lehigh.EDU, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [28750] Re: [Re: Aluminum primer?]  
Message-ID: <19990104232430.1362.qmail@www0k.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Mike & the gang,

I would have no hesitation to locate and use zinc chromate to prime aluminum. It was used extensively when i was in the Navy aboard destroyers in the '60's and early '70's. Today everything is going to kill you according to modern science. Interestingly enough, 100-200 years ago, there were lots of folks who lived to be 70, 80, 90 and 100, despite the miracles of modern science. Yes, plagues and diseases caused a lot of premature death, but we have inoculations and the public health service to thank, largely, for extending the "average" lifespan of mankind. If you use it for what it was intended to be used for, and not try to consume it, or inhale it, i'm sure you'll be fine. :o) 73 Roy

WA4DOU-----  
-----

-----  
Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>



-----  
Date: Mon, 04 Jan 1999 15:28:12 -0800  
From: Paul Maciel <pmaciel@inow.com>  
To: mgipe@reliablemeters.com, qrp-1@Lehigh.EDU  
Subject: [28751] Re: Aluminum primer?  
Message-ID: <36914E8C.675BFC63@inow.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Mike,

Make sure they sent the MSDS (Materials Safety Data Sheets) along. The information should tell how to handle the Zinc Chromate properly.

---Paul AK1P

"Michael A. Gipe" wrote:

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> that I hit the jackpot. I just ordered a few cans from an aircraft  
> parts company. (800-800-3229 \$7.95 per can)  
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> to the list.  
>  
> Thanks much!  
>  
> Mike K1MG

-----  
Date: Mon, 04 Jan 1999 18:42:57 -0500  
From: John Levreault <jlevro@mediaone.net>  
To: mgipe@reliablemeters.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [28752] Re: Aluminum primer?  
Message-ID: <36915201.A6C2375A@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

"Michael A. Gipe" wrote:

> Now I just need to make sure my cancer insurance is paid up.  
>  
> When I receive the paint, I will run a few tests and report my results  
> to the list.

Er, what kind of tests did you have in mind? ;-)

de nb1i

>  
>  
> Thanks much!  
>  
> Mike K1MG

-----  
Date: Mon, 4 Jan 1999 18:44:43 -0500  
From: w4bws@juno.com (Donald E Sanders)  
To: mgipe@reliablemeters.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [28753] Re: Aluminum primer?  
Message-ID: <19990104.185121.3654.2.w4bws@juno.com>

Dangerous for the "lucky" recipient of the "weapon of mass destruction" or for those who fabricate it? Breathing vapors of any paint product is not recommended.

But I have been suspect of the government (and OSHA) since they said Saccharine sweetener was a carcinogen after feeding the rat the equivalent of feeding a human a boxcar full and they were alarmed when the rat died of cancer. Junk science runs rampant thru the government. Having worked with them for 25 years, I came to the conclusion that: "Figures don't lie, but liars figure."

Donald Sanders W4BWS  
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937  
407-779-0222 Fax 407-779-0830  
W4BWS@juno.com  
My favorite QRP rig glows in the dark

On Mon, 4 Jan 1999 13:06:44 -0800 "Michael A. Gipe"  
<mgipe@reliablemeters.com> writes:  
>I've been looking for the fabled "zinc chromate primer" for quite a

>while now, because I have never been happy with my attempts to produce  
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>SNIP...  
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>SNIP...  
>Next stop was the Internet. This is how I learned that zinc chromate  
>was a known carcinogen, and therefore availability was limited.  
> In fact, the US government is looking for a suitable  
>replacement for use on the Titan IV missile; apparently, zinc chromate  
>primer is too dangerous for use on weapons of mass destruction.  
>  
>Now I have to ask myself the question, "Do I really want to get hold  
>of some of this stuff?"  
>  
>Mike K1MG  
>  
>  
>  
>  
>>...  
>>The "primer" you need for aluminum is usually  
>>"zinc chromate". In the old days, it was a kind of  
>>yellowish-green color, but today, it's available in  
>>several other colors!  
>>Karl K. - W8TIf  
>  
>  
>

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Date: Mon, 4 Jan 1999 15:54:31 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "John Levreault" <jlevro@mediaone.net>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [28754] Re: Aluminum primer?  
Message-ID: <109101be383d\$95766f40\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Oops. I guess that sounded like I was rounding up the lab rats! What

I actually had in mind was a performance test. Nothing fancy. I just figured I would take a sheet of aluminum, prepare it by sanding and cleaning, then paint sections with zinc chromate, Krylon grey primer, and nothing; then coat with a colored top coat. Then I would try a scratch test to see how they compared.

Mike K1MG

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End of QRP-L Digest 1326

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